

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
20.2786

SERIAL NO.

LIST OF INFORMATION PROVIDED
BY APPLICANT
(Use several sheets if necessary)

APPLICANT: Nicholas J. Heaton et al.

FILING DATE:

GROUP

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
DV	AA	3,597,681	08/03/71	Huckabey et al.
	AB	4,710,713	12/01/87	Strikman
	AC	5,055,788	10/08/91	Kleinberg et al.
	AD	5,291,137	03/01/94	Freedman
	AE	6,140,817	10/31/00	Flaum et al.
	AF	6,229,308	05/08/01	Freedman
	AG			
	AH			
	AI			

11002 U.S. PTO
10/029698
12/16/01

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation	
					Yes	No
	AL					
	AM					
	AN					
	AO					

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

DV	AR	R. Freedman et al., "A New NMR Method of Fluid Characterization in Reservoir Rocks: Experimental Confirmation and Simulation Results," SPE 63214, SPE Annual Technical Conference and Exhibition, Dallas TX (Oct. 1-4, 2000)
DV	AS	S. Meiboom and D. Gill, "Modified Spin-Echo Method for Measuring Nuclear Relaxation Times," Rev. Scientific Instruments 29, pp. 688 --691 (1958)
DV	AT	C.E. Morriss et al., "Hydrocarbon Saturation and Viscosity Estimation from NMR Logging in the Belridge Diatomite," SPWLA, 35 th Annual Logging Symposium (June 19 - 22, 1994)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

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	BC			
	BD			
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	BF			
	BG			
	BH			
	BI			

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	BL				
	BM				
	BN				
	BO				

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

PH	BR	McCain, Wm D. Jr., "Components of Naturally Occurring Petroleum Fluids," <i>The Properties of Petroleum Fluids</i> 2 nd Ed., Ch. 1, pp. 1 -- 45 (1990)
SV	BS	S-W Lo et al., "Relaxation Time and Diffusion Measurements of Methane and n-Decane Mixtures," <i>The Log Analyst</i> , pp. 43 - 47 (November - December 1998)
SV	BT	A. Bondi, "Viscosity," <i>Physical Properties of Molecular Crystals, Liquids, and Glasses</i> , Chapter 12, pp. 348 -- 349 (John Wiley & Sons, Inc., New York, NY (1968))

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5/22/03

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	CC			
	CD			
	CE			
	CF			
	CG			
	CH			
	CI			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation	
					Yes	No
	CL					
	CM					
	CN					
	CO					

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

	CR	N. Bloembergen et al., "Relaxation Effects in Nuclear Magnetic Resonance Absorption," Physical Review, vol.73 No. 7, pp. 679 -- 712 (1948)
	CS	
	CT	

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5/31/03